

ABSTRACT:

A loudspeaker protection system comprises filter means for defining one or more frequency bands of an audio signal, controllable amplifier/attenuator means coupled to the filter means, and processing means coupled to control the amplifier/attenuator means, such as to determine audio power in at least one of said frequency bands representing relevant 5 loudspeaker protection information used for selective audio power control in said at least one frequency band. This system has the features for a fast and/or slow thermal protection, as well as for a cone excursion protection all for a loudspeaker in such a system.

Fig. 1